

## RENDACRETE INDUSTRIAL FLOOR SCREED

**PRODUCT CODE** 3405

**DESCRIPTION:** RENDACRETE INDUSTRIAL FLOOR SCREED powder is a pre-mixed, ready to use, polymer modified cementitious floor screed powder. The compound contains a unique blend of special cements, graded silica sands, and a union of admixtures. The powder, when mixed with water, produces a mobile, self smoothing and self levelling screed which rapidly hardens to provide a strong bonding, high quality, durable cover to concrete. We can also supply a Heavy Duty (HD) version which contains stainless steel fibres in the filler"

**PACKAGING:** The material is packaged in 25kg durable bags and has a shelf life of 2 years.

**PREPARATION:** Careful and proper preparation of the concrete substrate is essential if a successful screed is to be placed. The durability of the hardened screed can only be as good as the integrity of the base concrete and substrate. Thoroughly and completely abrade the surface where necessary to produce a sound substrate with a good mechanical key. All traces of contamination must be removed. Vacuum clean or blow away all dust and debris.

Apply Rotafix Primer Latex to penetrate, consolidate and seal the concrete. With a brush or soft broom, brush the latex completely and evenly over the surface. Work the liquid well into the substrate, and spread any puddles of latex over the surrounding concrete. Let the latex dry out, usually 15 to 20 minutes depending on conditions. To prime the substrate, apply a second coat of latex. Normally, 1 litre of primer will treat 5m<sup>2</sup> of concrete surface with 2 coats of letex. However, if the concrete is weak or porous, a third coat should be applied. Let the latex dry out before placiding the screed.

**MIXING:** ROTAFIX INDUSTRIAL FLOOR SCREED powder is mixed with water using a suitable container, a pneumatic or electric power tool (1kW). Add 5 litres of water to the container or mixer. Pour 25kg of powder onto the water while mixing. After all the powder has been added, mix for 30 seconds. The floor screed is now ready for use.

**APPLICATION:** Mix the powder with water (maximum water content is 5 litres of water/25kg bag of powder), and pour the material evenly over the concrete and in such a way as to avoid the entrapment of air. If necessary spread the screed with a steel float to give a uniform cover, and level and finish off with a spiked roller.

For patch repairs to concrete floors and roadways, prepare the substrate as outlined above. Square cut the concrete to a depth of at least 5mm at the perimeter of the repair. Mix, pour and level the screed to the height of the surrounding concrete.

After the screed has set, at 1 to 2 hours depending on conditions, apply 2 coats of Rotafix Primer Latex to seal the surface.

**COVERAGE:** Yield: 25kg of powder yields 13.00 litres of fluid screed and treats 5m<sup>2</sup> of concrete at 2.6mm cover, maximum thickness 25mm. The 25kg HD screed can be laid at 3-6mm (no need to lay any thicker). Yeild between 2-4m<sup>2</sup>.

**CURE SCHEDULE:** Typical Data at 14% water/powder ratio at 20°C

Consistency Life: 20 minutes  
Density: 2200kg/m<sup>2</sup>

**CURED PROPERTIES:** Minimum compressive strength:

	1 hour	2 Hours	1 day	7 Days	28 Day
	2MPa	12 MPa	30 MPa	50 Mpa	70 MPa

**SPECIFIC USES:** In areas where there is heavy and frequent vehicular traffic. In heavy engineering and railway workshops and shipyards. In heavy and massive machine assembly plants and factories. On roads and areas where the traffic is steel wheeled or on caterpillars. To repair and protect concrete against loading buckets, shovels and grabs.

**CLEANING TOOLS:** Uncured RENDACRETE INDUSTRIAL FLOOR SCREED may be readily removed from tools and equipment with clean water.

The requirements for a Rotafix product(s) may be specific for an individual project.  
Advice given by Rotafix can only be considered as part of the contract if it is provided in writing.

ROTAFIX cementitious based products are alkaline. Users should take the necessary precautions indicated in the COSHH details available from our offices. Please read our Users Safety Guide on the Handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee insomuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.

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